

## 6BQ5

## **POWER PENTODE**

9-PIN MINIATURE TYPE

	GENERAL DATA
	Electrical:
/	Heater, for Unipotential Cathode:  Voltage 6.3 ac or dc volts  Current 0.76 amp  Direct Interelectrode Capacitances:  Grid No.1 to plate 0.5 max.   Grid No.1 to cathode & grid No.3,  grid No.2, and heater 10.8   Plate to cathode & grid No.3,  grid No.2, and heater 6.5
_	Characteristics, Class A, Amplifier:
	Plate Voltage
	Mechanical:
	Operating Position
`	Pin 1 - Internal Connection— Do Not Use Pin 2 - Grid No.1 Pin 3 - Cathode, Grid No.3 Pin 4 - Heater Pin 5 - Heater Pin 6 - Same as Pin 1 Pin 7 - Plate Pin 8 - Same as Pin 1 Pin 9 - Grid No.2
_	AMPLIFIER — Class A
	Maximum Ratings, Design-Center Values:
	PLATE VOLTAGE

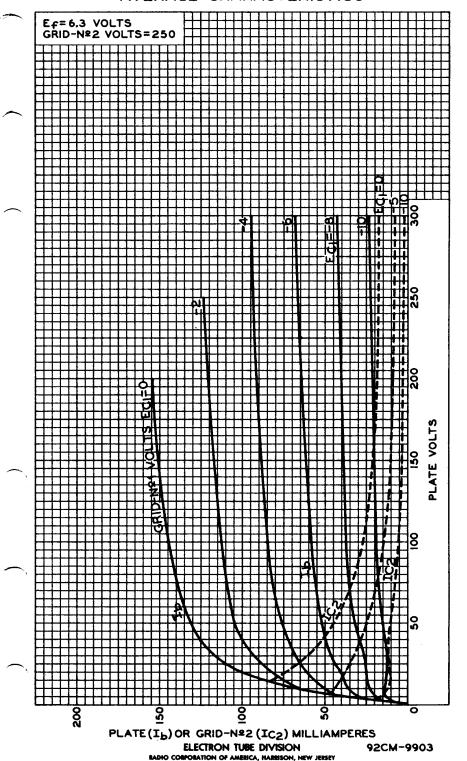
6805)



PEAK HEATER-CATHODE VOLTAGE: Heater negative with respect to cathode. 100 max. volts Heater positive with respect to cathode. 100 max. volts  Typical Operation:  Plate Voltage. 250 volts Grid-No.2 Voltage. 250 volts Grid-No.1 Voltage7.3 volts Peak AF Grid-No.1 Voltage. 6.2 volts Zero-Signal Plate Current. 48 ma MaxSignal Plate Current. 50.6 ma MaxSignal Grid-No.2 Current. 5.5 ma MaxSignal Grid-No.2 Current. 10 ma Effective Load Resistance. 4500 ohms Total Harmonic Distortion. 10 ma Effective Load Resistance: 5.7 watts  Maximum Circuit Values:  Grid-No.1-Circuit Resistance: For fixed-bias operation 0.3 max. megohm For cathode-bias operation 1 max. megohm of without external shield.  Grid-No.2 input must not exceed 4 watts under maximum-signal conditions. The docomponent must not exceed 100 volts.  OPERATING CONSIDERATIONS  The bulb becomes hot during operation. To insure adequate cooling, therefore, it is essential that free circulation of air be provided.	
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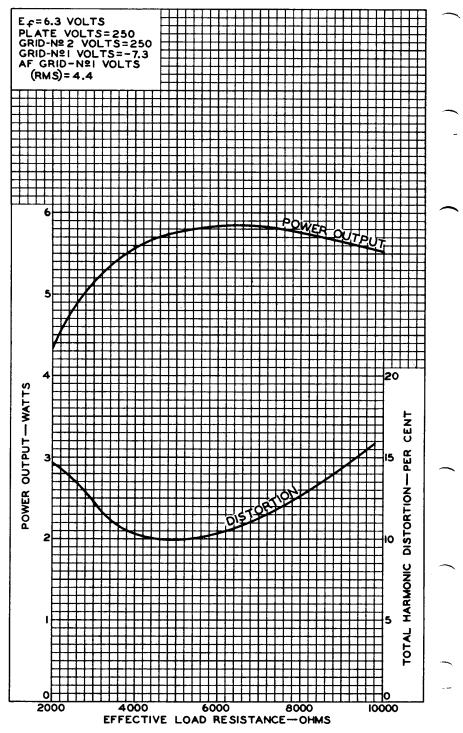
## AVERAGE CHARACTERISTICS







## OPERATION CHARACTERISTICS



ELECTRON TUBE DIVISION RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-9902